Direct analysis of screening reactions by mass-spectroscopy:

FIGURE 1

Extended tethering:

Introduce thiol-containing cysteine residue FIGURE 2 Introduce

Screen against library of disulfide-containing monophores

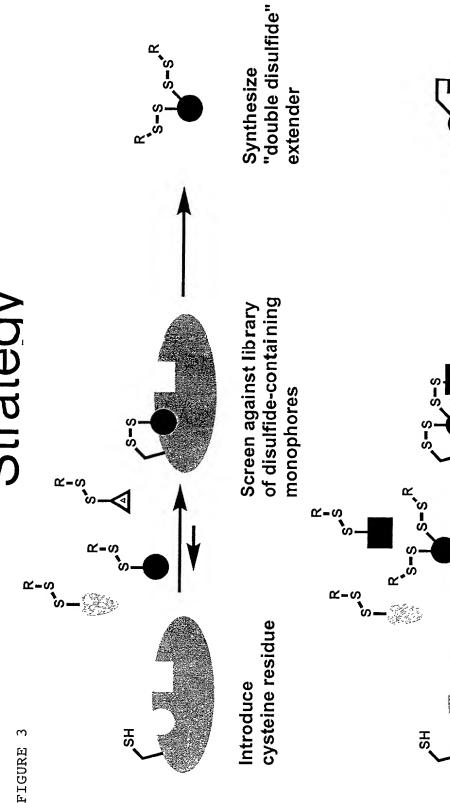
extender



Derived Diaphore

"Dynamic" Extended Tethering

Strategy



Convert extenderselectant pair into diaphore

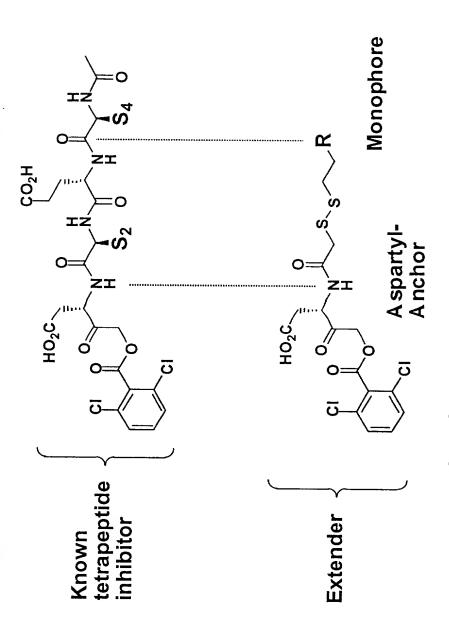
monophores in the presence

of the extender

Rescreen against library of disulfide-containing

A caspase-specific extender:

FIGURE 5



Leaving group

